

# MIND CONTROL

## THE ULTIMATE BRAVE NEW WORLD

*New technologies to control the mind, change behaviour and even transfer thoughts for good or ill have been created using sound as well as external and internal electrostimulation of the brain.*

*Part 2 of 2*

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### Auditory Effects (continued)

The military interest in auditory effects was present since the first inventions were patented, but in 1971 came a system which would allow troops to communicate through a radio transmitter which would render the enemy deaf and disoriented while allowing "friendly" combatants to communicate at the same time.

The device is described as follows: "Broadly, this disclosure is directed to a system for producing aural and psychological disturbances and partial deafness of the enemy during combat situations. Essentially, a high directional beam is radiated from a plurality of distinct transducers and is modulated by a noise, code, or speech beat signal. The invention may utilize various forms and may include movable radiators mounted on a vehicle and oriented to converge at a desired point, independently positioned vehicles with a common frequency modulator, or means employed to modulate the acoustical beam with respect to a fixed frequency. During combat, friendly forces would be equipped with a reference generator to provide aural demodulation of the projected signal, thereby yielding an intelligible beat signal while enemy personnel would be rendered partially deaf by the projected signal as well as being unable to perceive any intelligence transmitted in the form of a modulated beat signal."<sup>29</sup> What this says simply is that at-a-distance personal communication could be achieved by one's own forces while denying it to others and disabling adversaries at the same time.

In 1974, it was noted that using a microwave a signal was changed (transduced) by the receiver into an acoustic signal. This signal was "heard" inside or just behind the head. The report stated: "...it was noticed that the apparent locus of the 'sound' moved from the observer's head to the absorber. That is, the absorber acted as a transducer from microwave energy to an acoustic signal. This observation, to the best of our knowledge, has not been described in the literature and may serve as a mechanism mediating the 'hearing' of pulsed microwave signals."<sup>30</sup>

By 1989, the science took another leap forward with the combination of the modulated signal on a microwave carrier. This provided a much more efficient delivery of the sound. It was reported: "Sound is induced in the head of a person by radiating the head with microwaves in the range of 100 megahertz to 10,000 megahertz that are modulated with a particular waveform. The waveform consists of frequency modulated bursts. Each burst is made up of ten to twenty uniformly spaced pulses grouped tightly together. The burst width is between 500 nanoseconds and 100 microseconds. The pulse width is in the range of 10 nanoseconds to 1 microsecond. The bursts are frequency modulated by the audio input to create the sensation of hearing in the person whose head is irradiated."<sup>31</sup>

Two other patents awarded that year addressed this breakthrough. The first invention related to devices for aiding hearing in mammals: "The invention is based upon perception of sounds which is experienced in the brain when the brain is subjected to certain microwave radiation signals."<sup>32</sup> The second invention confirmed the earlier observations: "Sound is induced in the head of a person by radiating the head with microwaves in the range of 100 megahertz to 10,000 megahertz that are modulated with a particular waveform. The waveform consists of frequency modulated bursts. Each burst is made up of ten to twenty uniformly spaced pulses grouped tightly together."<sup>33</sup>

In 1992, another patent was issued with the following description: "A silent communications system in which nonaural carriers, in the very low or very high audio frequency range or in the adjacent ultrasonic frequency spectrum, are amplitude or frequency modulated with the desired intelligence and propagated acoustically or

vibrationally, for inducement into the brain, typically through the use of loudspeakers, earphones or piezoelectric transducers."<sup>34</sup> This device had limited practicality in that it required the person to be in contact with or in close proximity to the sending device.

When examined together, each of these patents is seen to be a discrete step toward a new weapon system.

In 1995, it was reported that in the early research, clear sound signals had been sent and received. It is difficult now to determine what level of military or other research was being advanced in these areas. The history is clear from congressional reports that this entire area was of great interest to the intelligence communities. According to Scientists for Global Responsibility: "Drs Alan Frey and Joseph Sharp conducted related research. Sharp himself took part in these experiments and reported that he heard and understood words transmitted in pulse-microwave analogs of the speaker's sound vibrations. Commenting on these studies, Dr Robert Becker, twice nominated for the Nobel Peace Prize, observed that such a device has obvious applications in covert operations designed to drive a target crazy with voices, or deliver undetectable instructions to a potential assassin."<sup>35</sup>

Then, in 1996 came another development, a "wireless communication system undetectable by radio frequency methods for converting audio signals, including human voice, to electronic signals in the ultrasonic frequency range, transmitting the ultrasonic signal by means of acoustic pressure waves across a carrier medium, including gases, liquids, or solids, and reconvertng the ultrasonic acoustical pressure waves back to the original audio signal".<sup>36</sup> Although this was meant to be used with both receiving and sending hardware, what was determined were the modulation methods for transferring the signal.

The real work was yet to be made public in the form of patents. However, the military claims in the area were starting to surface. What was known from experience was that patents were being held back by the government and confiscated by the military. When this intellectual property was seized, the inventors were given a choice: work for the government, or you cannot continue research or even talk about your invention under a national security order. Those who did not cooperate could have their work effectively shut down.

### Brain-to-Computer Connections

Major steps are being made to connect biology to information technology.

In 1990 came the news that "[s]cientists have succeeded for the first time in establishing a colony of human brain cells that divide and grow in laboratory dishes, an achievement with profound implications for understanding and treating a wide range of neurological disorders from epilepsy to Alzheimer's disease"<sup>37</sup>

According to a report in the *Wall Street Journal* in February 1994: "Researchers said they took a key first step toward creating electronic microchips that use living brain cells. The researchers said they had learned how to place embryonic brain cells in desired

spots on silicon or glass chips and then induce the brain cells to grow along desired paths."<sup>38</sup>

The other possibility is that both brain cells and computer hardware could be built in the laboratories, creating, perhaps, the first biologically augmented computers.

### What's on Your Mind?

A significant initiative was started for use in creating counter-drug measures: the Brain Imaging Technology Initiative. "This initiative establishes NIDA [National Institute on Drug Abuse] regional neuroimaging centers and represents an interagency cooperative endeavor funded by CTAC [Counterdrug Technology Assessment Center], Department of Energy (DOE), and NIDA to develop new scientific tools (new radiotracers and technologies) for understanding the mechanisms of addiction and for the evaluation of new pharmacological treatments."<sup>39</sup> Through neuroimaging, not only could the stated objective be achieved, but through imaging a person's emotional states could be mapped, chemical influences determined and perhaps even specific thoughts read.

Back in 1975, *Physics Today* reported: "Developments in ways to measure the extremely weak magnetic fields emanating from organs such as the heart, brain and lungs are leading to important new methods for diagnosing abnormal conditions."<sup>40</sup>

In 1995, a system for capturing and decoding brain signals was patented which includes a transducer for stimulating a person and EEG transducers for recording brainwave signals from the person. It also includes a computer for controlling and synchronising stimuli presented to the person and at the same time recording brainwave signals, and either interpreting these signals using a model for conceptual, perceptual and emotional thought to correspond to the EEG signals of the person's thoughts or comparing the signals to normal brain signals from a normal population to diagnose and locate the origin of brain-dysfunctional underlying perception, conception and emotion.<sup>41</sup> In other words, the device

reads your mind by comparing your brain activity to other people's.

In 1996 came this Orwellian development: "...a method for remotely determining information relating to a person's emotional state, as waveform energy having a predetermined frequency and a predetermined intensity is generated and wirelessly transmitted towards a remotely located subject. Waveform energy emitted from the subject is detected and automatically analyzed to derive information relating to the individual's emotional state. Physiological or physical parameters of blood pressure, pulse rate, pupil size, respiration rate and perspiration level are measured and compared with reference values to provide information utilizable in evaluating [an] interviewee's responses or possibly criminal intent in security sensitive areas."<sup>42</sup> This technology could be used for determining what a person might do, given his totally discernible interior emotions. This technology walks through any behaviour wall a person can erect and goes straight to the brain to see what may be on a person's mind.

Inducing behaviour rather than just reading a person's emotional

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state is the subject of one scientist's work in Canada. "Scientists are trying to recreate alien abductions in the laboratory... The experiment, to be run by Professor Michael Persinger, a neuroscientist at Laurentian University, of Sudbury, Ontario, consists of a converted motorcycle helmet with solenoids on its sides that set up magnetic fields across a subject's head."<sup>43</sup> This experiment was carried out and was the subject of a Canadian Broadcasting System exposé on mind control. The segment ran on a program called *Undercurrents* in February 1999. This author also appeared in that program, along with several others interested in this field.

A 1993 report said that for over 20 years Dr Persinger "...has been working on a theory that connects not only UFOs and earthquakes, but also powerful electromagnetic fields and an explanation of paranormal beliefs in terms of unusual brain activity. He has also found that stimulating another area, the temporal lobes, can produce all sorts of mystical experiences, out-of-body sensations and other apparently paranormal phenomena."<sup>44</sup> This doctor's work suggests that these experiences may be the result of activity in the brain and not the actual experiences of the individuals. He has had some measure of success in re-creating many of these experiences in his subjects. Dr Persinger is also known for his work in studying the effects of ELF [extra-low-frequency waves] on memory and brain function.<sup>45</sup>

In 1991, a method for changing brain waves to a desired frequency was patented.<sup>46</sup> A 1975 patent discussed a similar technology: a device and method for "...sensing brain waves at a position remote from a subject whereby electromagnetic signals of different frequencies are simultaneously transmitted to the brain of the subject in which the signals interfere with one another to yield a waveform which is modulated by the subject's brain waves. The interference waveform which is representative of the brain wave activity is retransmitted by the brain to a receiver where it is demodulated and amplified. The demodulated waveform is then displayed for visual viewing and then routed to a computer for further processing and analysis. The demodulated waveform also can be used to produce a compensating signal which is transmitted back to the brain to effect a desired change in electrical activity therein."<sup>47</sup> In simple terms, the brain's activity is mapped in order to read a person's emotional state, conceptual abilities or intellectual patterns. A second signal can be generated and sent back into the brain which overrides the natural signal, causing the brain's energy patterns to shift. This is the "brain entrainment" which causes the shift in consciousness. There are many uses of a positive nature for this kind of technology, as was mentioned at the front of this section, the important factor being who controls the technology and for what purpose.

In January 1998, the following encapsulating statement appeared in the leading scientific journal *Nature*, quoting Pasteur Institute neuroscientist Jean-Pierre Changeux, chairman of the French national bioethics committee: "But neuroscience also poses potential risks, he said, arguing that advances in cerebral imaging make the scope for invasion of privacy immense...it will become commonplace and capable of being used at a distance, he predicted. That will open the way for abuses such as invasion of personal liberty, control of behaviour and brainwashing."<sup>48</sup>

## Dancing to the Tune of an Unknown Drummer

In "...a dramatic demonstration of mind reading, neuroscientists have created videos of what a cat sees by using electrodes implanted in the animal's brain. 'Trying to understand how the brain codes information leads to the possibility of replacing parts of the nervous system with an artificial device,' he said."<sup>49</sup> The scientist commenting on this technology—Gattett Stanley, assistant professor of biomedical engineering at Harvard—saw the future possibility of brain activity mapping being used in creating electronic components to replace damaged parts of the system.

The use of mind-mapping had other possibilities as well. Similar research in controlling the behaviour of humans and animals was pursued by Dr José Delgado at Yale University, one of the leading research institutions in the United States. Actual testing of certain systems proved that "movements, sensations, emotions, desires, ideas, and a variety of psychological phenomena may be induced, inhibited, or modified by electrical stimulation of specific areas of the brain".<sup>50</sup> By 1985, Dr Delgado was able to create these effects using only a radio signal sent to the brain remotely, using energy concentrations of less than 1/50th of what the Earth naturally produces. This discovery implied that frequency, waveform and pulse rate (modulation) were the important factors rather than the amount of energy being used. In

considering this, it makes sense because the human body does not require high electromagnetic power concentration to regulate its normal functioning. The key was in finding the "tuning" mechanisms for locating the right "receiving station" in the brain.

By 1993, publicly released information was being discussed as a result of information openly flowing out of Russia. Meetings were held to assess the threat: the "main purpose of the March meetings was described in the Psychotechnologies memo as to

'determine whether psycho-correction technologies represent a present or future threat to US national security in situations where inaudible commands might be used to alter behavior'.<sup>51</sup> The threat assessment was likely to begin to condition Americans for the public acknowledgement of one of the government's long-held secrets: that the human mind and body can be controlled remotely, without a trace of evidence being left behind.

In another quote, one of the leading researchers in this area, Dr Igor Smirnov, began to announce his findings. "But psychological warfare experts on all sides still dream that they will one day control the enemy's mind. And in a tiny, dungeon-like lab in the basement of Moscow's ominously named Institute of Psycho-Correction, Smirnov and other Russian psychiatrists are already working on schizophrenics, drug addicts and cancer patients."<sup>52</sup> The results of this research have been investigated and demonstrated to members of the intelligence community in the United States, and have even been demonstrated by Dr Smirnov in an interview for the Canadian television documentary *Undercurrents*.

This issue is also an interesting one, as can be seen in this 1999 article excerpt. "Fantasies are thought processes involving internal monologues and imaginative sequences which can motivate healthy people to constructive behaviour; likewise, they can inspire unbalanced individuals to destructive or dangerous behaviour. One conclusion from that research was that fantasy

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played a major role among violent criminals. Researchers learned that criminals often daydreamed their fantasies, and then practiced elements of those fantasies before committing their crime. FBI agents determined that violent criminals often exhibit telltale signs as children and as adults. Hence, disturbed employees or students may demonstrate signs of violent fantasies to close observers. Troubled individuals may be obsessively interested in music with violent lyrics, or may have a drug or alcohol problem. When these signs reveal themselves, they should be reported to a threat management team, which can then neutralize the threat, either by therapy, if rehabilitation is possible, or by firing the employee. Workplace and school violence is usually preceded by warning signs.<sup>53</sup> The ability to determine a "predisposition" for a behaviour does not mean that a person will make the "choice" to act on the feelings and internal thoughts. Every person on the planet can remember times when his thoughts were dangerous, immoral or otherwise unacceptable, falling below the standards set by societal and cultural "norms". Yet, we can have these thoughts in the privacy of our own mind.

The trend in the application of mind control technology now would make our most private internal thoughts, as we wrestle with the temptations and choices of everyday life, subject to scrutiny by government and employers. Who will define the rules for psycho-correction? Who will decide what is ethical and right in this area as it develops over the next decade?

### Control of the Mind and Body

The predominant brain wave frequencies indicate the kind of activity taking place in the brain. There are four basic groups of brain wave frequencies which are associated with most mental activity. The first group, *beta* waves (13–35 Hertz or pulses per second), is associated with normal activity. The high end of this range is associated with stress or agitated states which can impair thinking and reasoning skills. The second group, *alpha* waves (8–12 Hertz), can indicate relaxation. Alpha frequencies are ideal for learning and focused mental functioning. The third group, *theta* waves (4–7 Hertz), indicates mental imagery, access to memories and internal mental focus. This state is often associated with young children, behavioural modification and sleep/dream states. The last group, ultra-slow *delta* waves (0.5–3 Hertz), is found when a person is in deep sleep. The general rule is that the brain's predominant wave frequency will be lowest in terms of pulses per second when a person is relaxed, and highest when a person is most alert or agitated.<sup>54</sup>

External stimulation of the brain by electromagnetic means can cause the brain to be entrained or locked into phase with an external signal generator.<sup>55</sup> Predominant brain waves can be driven or pushed into new frequency patterns by external stimulation. In other words, the external signal driver or impulse generator entrains the brain, overriding the normal frequencies and causing changes in the brain waves, which then cause changes in brain chemistry, which then cause changes in brain outputs in the form of thoughts, emotions or physical condition. As you are driven, so

you arrive. Brain manipulation can be either beneficial or detrimental to the individual being impacted, depending on the level of knowledge or the intentions of the person controlling the technology.

In combination with specific wave-forms, the various frequencies trigger precise chemical responses in the brain. The release of these neurochemicals causes specific reactions in the brain which result in feelings of fear, lust, depression, love, etc. All of these, and the full range of emotional/intellectual responses, are caused by very specific combinations of these brain chemicals which are released by frequency-specific electrical impulses. "Precise mixtures of these brain juices can produce extraordinarily specific mental states, such as fear of the dark, or intense concentration."<sup>56</sup>

The work in this area is advancing at a very rapid rate, with new discoveries being made regularly. Unlocking the knowledge of these specific frequencies will yield significant breakthroughs in understanding human health. Radiofrequency radiation, acting as a carrier for extremely low frequencies (ELF), can be used to entrain brain waves wirelessly.

The control of mind and body by using various forms of electromagnetic energy including radio signals, light pulsations, sound and other methods has resulted in several inventions and innovations. The positive health effects and uses have been pursued by private researchers around the world. In 1973, an "...apparatus for the treatment of neuropsychic and somatic disorders wherein light, sound, VHF electromagnetic field and heat sources, respectively, are simultaneously applied by means of a control unit to the patient's central nervous system with a predetermined repetition rate. The light radiation and sound radiation sources are made so as to exert an adequate and monotonous influence of the light and sound radiation on the patient's visual analyzers and auditory analyzers,

respectively."<sup>57</sup> This results in the brain following the external stimulating source in triggering brain pattern changes which affect the brain immediately and directly.

A simple invention patented in 1977 "...provides a device for improving upon the aforesaid application [see patent for full text] in assisting the induction of natural sleep. As stated above, this invention is concerned specifically with an improvement that will permit the creation of several waveforms such that an analgesic noise device can approximate soothing sounds of nature, i.e., waves, rain, wind."<sup>58</sup> These kinds of devices are available everywhere and are noted for their calming effects in helping people relax and sleep.

In 1980, another patent was issued which disclosed "...a method and apparatus for producing a noise-like signal for inducing a hypnotic or anesthetic effect in a human being. The invention also has application in crowd control and consciousness level training (biofeedback). The invention may also be used in creating special musical effects."<sup>59</sup> This device would have a profound effect in controlling individuals to a point otherwise only achievable through the application of hypnotherapy or drugs. A couple of

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years later, another device was engineered to create these types of effects, again using very subtle energy: "Brain wave patterns associated with relaxed and meditative states in a subject are gradually induced without deleterious chemical or neurological side effects."<sup>60</sup>

Various systems were perfected and patents issued for controlling brain activity.<sup>61, 62, 63, 64, 65, 66, 67, 68</sup> These inventions generated a whole array of breakthroughs for controlling a person's emotional state, concentration and pain levels and creating other effects as well. In 1990, the results of a study strongly indicated that "...specific types of subjective experiences can be enhanced when extremely low frequency magnetic fields of less than 1 milligauss are generated through the brain at the level of the temporal lobes. Vestibular feelings (vibrations, floating), depersonalization (feeling detached, sense of a presence) and imaginings (vivid images from childhood) were more frequent within the field exposed groups than the sham field exposed group."<sup>69</sup>

In a 1996 "new age" invention, quartz crystals are used to create stress relief by slowing brain activity. "Physiological stress in a human subject is treated by generating a weak electromagnetic field about a quartz crystal. The crystal is stimulated by applying electrical pulses of pulse widths between 0.1 and 50 microseconds each at a pulse repetition rate of between 0.5k and 10k [500 and 10,000] pulses per second to a conductor positioned adjacent to the quartz crystal thereby generating a weak magnetic field. A subject is positioned within the weak magnetic field for a period of time sufficient to reduce stress."<sup>70</sup> It is interesting that "New Age" thinkers have played on "crystal magic" as a way to get "in tune" with oneself and relax, and here is a quartz crystal being included as a component of this invention. Again, the crossovers between fiction and science continue to appear.

Consciousness training is also a big theme in cults, religious organisations and others pursuing the "New Age". Science has now gained a greater understanding of how the mind and brain work, so that what used to take years or even decades to achieve can now be mastered in weeks, days or even minutes. For instance, in 1996 a method and apparatus for the use in achieving alpha and theta brainwave states and effecting positive emotional states in humans was developed.<sup>71</sup> Three years before, a patent was issued for a device which could create desired consciousness states: "...in the training of an individual to replicate such states of consciousness without further audio stimulation; and in the transferring of such states from one human being to another through the imposition of one person's EEG, superimposed on desired stereo signals, on another individual, by inducement of a binaural beat phenomenon."<sup>72</sup> Thought transference?

This is interesting in that it speaks to the ideas alluded to earlier by the military in changing the memory of a person by imposing computer-manipulated signals which would integrate with the normal memory of a person. The possibility for abuse is obvious, and the opportunity for personal advancement is great. Imagine gaining education by the transfer of data directly into the human brain by these new methods rather than by the standard methods of learning.

A serious consideration in developing these types of memory transfer systems is that they bypass normal intellectual filters: information is deposited into the brain as fact, without question or careful consideration. What happens when the new information conflicts with existing information? Would it be possible to include hidden information meant to unduly influence things like religious beliefs, politics or consumption of goods and services?

The possibilities are immense and the ethical and moral questions surrounding these matters are equally large. We can no longer avoid the debate. In fact, the debate is lagging far behind the scientific advances.

In the interim, there are some simple things we could all do to enhance our own, or our children's, learning capacity by applying simple and available knowledge. For instance, "researchers at the Center for the Neurobiology of Learning and Memory at University of California, Irvine, have determined that 10 minutes of listening to a Mozart piano sonata raised the measurable IQ of college students by up to nine points".<sup>73</sup> This is a simple thing of great use to anyone seeking self-improvement.

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### **Weapons of the Mind**

A 1984 paper titled "The Electromagnetic Spectrum in Low-Intensity Conflict" said much about the military's interest in EMR:

"The results of many studies that have been published in the last few years indicate that specific biological effects can be achieved by controlling the various parameters of the electromagnetic (EM) field. A few of the more important EM factors that can be manipulated are frequency, wave shape, rate of pulse onset, pulse duration, pulse amplitude, repetition rate, secondary

modulation, and symmetry and asymmetry of the pulse. Many of the clinical effects of electromagnetic radiation were first noticed using direct current applied directly to the skin. Later the same effects were obtained by applying external fields. Electromagnetic radiation has been reported in the literature to induce or enhance the following effects.

1. Stimulation of bone regeneration [in fractures]
2. Healing of normal fractures
3. Treatment of congenital pseudarthrosis
4. Healing of wounds
5. Electroanesthesia
6. Electroconvulsive therapy
7. Behavior modification in animals
8. Altered electroencephalograms in animals and humans
9. Altered brain morphology in animals
10. Effects of acupuncture
11. Treatment of drug addiction
12. Electrostimulation for relief of pain
13. Altered firing of neuronal cells

"These are but a few of the many biological effects and uses that have been reported over the past decade. They are not exhaustive and do not include many of the effects reported in the Soviet and East European literature.

"As with most human endeavors, these applications of electromagnetic radiation have the potential for being a double-edged sword. They can produce significant benefits, yet at the same time can be exploited and used in a controlled manner for

military or covert applications. This paper focuses on the potential uses of electromagnetic radiation in future low-intensity conflicts.

#### "Potential Military Applications of EMR

"The exploitation of this technology for military uses is still in its infancy and only recently has been recognized by the United States as a feasible option. A 1982 Air Force review of biotechnology had this to say.

'Currently available data allow the projection that specially generated radio frequency radiation (RFR) fields may pose powerful and revolutionary military threats. Electroshock therapy indicates the ability of induced electric current to completely interrupt mental functioning for short periods of time, to obtain cognition for longer periods and to restructure emotional response over prolonged intervals.

'Experience with electroshock therapy, RFR experiments and the increasing understanding of the brain as an electrically mediated organ suggested the serious probability that impressed electromagnetic fields can be disruptive to purposeful behavior and may be capable of directing and or interrogating such behavior. Further, the passage of approximately 100 milliamperes through the myocardium can lead to cardiac standstill and death, again pointing to a speed-of-light weapons effect.

'A rapidly scanning RFR system could provide an effective stun or kill capability over a large area. System effectiveness will be a function of wave form, field intensity, pulse widths, repetition frequency, and carrier frequency. The system can be developed using tissue and whole animal experimental studies, coupled with mechanisms and waveform effects research.

'Using relatively low-level RFR it may be possible to sensitize large military groups to extremely dispersed amounts of biological or chemical agents to which the unirradiated population would be immune.

'The potential applications of artificial electromagnetic fields are

wide ranging and can be used in many military or quasi-military situations.

'Some of these potential uses include dealing with terrorist groups, crowd control, controlling breeches [*sic*] of security at military installations, and antipersonnel techniques in tactical warfare... One last area where electromagnetic radiation may prove to be of some value is in enhancing abilities of individuals for anomalous phenomena."<sup>74</sup>

Quite the papers for the 1980s. Stimulating anomalous phenomena was another interesting point revealed in the Air Force review. What could this mean? In one press report in November

1995, the interest of the CIA was disclosed when it was announced that for "...20 years, the United States has secretly used psychics in attempts to help drug enforcement agencies track down Libyan leader Moammar Gadhafi and find plutonium in North Korea, the CIA and others confirm. The ESP spying operations—code named 'Stargate'—were unreliable, but three psychics continued to work out of Ft Meade, at least into July, researchers who evaluated the program for the CIA said..."<sup>75</sup>

It is also worth pointing out that this report coincided with the public

disclosure by military personnel of this project. The story was revealed in David Morehouse's book *Psychic Warrior*.<sup>76</sup>

Col. John Alexander, working out of Los Alamos and a major proponent of this area of research, was quoted as saying: "...there are weapons systems that operate on the power of the mind and whose lethal capacity has already been demonstrated... The psychotronic weapon would be silent, difficult to detect, and would require only a human operator as a power source."<sup>77</sup>

According to a paper on non-lethal weapons: "An RF weapon currently under development is the high powered, very low frequency (VLF) modulator. Working in the 20–35 kHz spectrum, the frequency emits from a 1–2 meter antenna dish to form into a type of acoustic bullet. The weapon is especially

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convenient because the power level is easily adjustable. At its low setting, the acoustic bullet causes physical discomfort—enough to deter most approaching threats. Incrementally increasing the power nets an effect of nausea, vomiting and abdominal pains. The highest settings can cause a person's bones to literally explode internally. Aimed at the head, the resonating skull bones have caused people to hear 'voices.'" The weapon was researched by the Russian military more extensively than by the US. Indeed, "...the Russians actually offered the use of such a weapon to the FBI in the Branch Davidian standoff to make them think that 'God' was talking to them. Concerned with the unpredictability of what the voices might actually say to the followers, the FBI declined the offer. Another RF weapon that was ready for use back in 1978 was developed under the guise of Operation PIQUE. Developed by the CIA, the plan was to bounce high powered radio signals off the ionosphere to affect the mental functions of people in selected areas, including Eastern European nuclear installations."<sup>78</sup>

The use of the ionosphere in the CIA's experiments reminds one of the possibilities now available with systems such as HAARP, which was developed 15 years later. What is clear in all of this is that these systems have been developed and hidden from public view. The practice continues to this day.

"The next area of non-lethal weapons is primarily used against machinery...these devices can either cause the machinery to stop functioning or to render it vulnerable to further, more lethal attacks. In addition to this effect, man has become very dependent upon the use of machines and is often rendered helpless in a situation when they become dysfunctional. Therefore, it is only appropriate that they are covered here. The primary anti-machinery arsenal includes the microwave weapon, the non-nuclear electromagnetic pulse, and the laser weapon.

"US Special Operations Command has in its arsenal the portable

microwave weapon. The capability of such a weapon is varied in that it can not only disrupt enemy communications, but can also superheat internal organs. Of course, directing this type of weapon towards personnel eliminates it from the non-lethal classification. Developed in the Los Alamos National Laboratory, the weapon forms its signal similar to the RF weapons discussed above in that it directs the energy into a high-powered pulse and destroys transistors and other electrical equipment... On an even smaller scale, a portable EMP weapon could be carried by ground forces to destroy the electrical components in an armored vehicle or tank.

This capability is being developed with police forces to emit a pulse that would stop a car almost immediately."<sup>79</sup>

These systems offer both promises and risks as we move into the new century. What will be the public reaction to these systems? We suggest that the reaction will cause a significant change in the uses and further developments of these technologies. Additionally, we suspect that monitoring systems would be developed which would allow for the detection of these

technologies in order to control abuse.

### Mind Control Victims

Sometimes referred to as "wavies" or "beamers", these individuals are usually dismissed when asserting that they are the victims of mind control weapons testing. In fact: "University of South Florida researchers have published a study showing that fears of the Internet are replacing the CIA and radio waves as a frequent delusion in psychiatric patients. In every case of Internet delusion documented by the researchers, the patient actually had little experience with computers."<sup>80</sup>

The problem is that it is difficult if not impossible to sort out which people might be victims and which are delusional. Attempts to determine the reality of the complaints are often the butt of jokes and fear. For example, the University of Albany has "...shut down

**What is clear in all of this is that these systems have been developed and hidden from public view.**

<p><b>47.</b> US Patent #3,951,134, April 20, 1976, "Apparatus And Method For Remotely Monitoring And Altering Brainwaves"; Inventor: Malech, Robert G.; Assignee: Dorne &amp; Margolin Inc. EPI1122</p> <p><b>48.</b> "Advances in Neuroscience 'May Threaten Human Rights'", <i>Nature</i>, vol. 391, January 22, 1998. EPI116</p> <p><b>49.</b> Kahney, Leander, "A Cat's Eye Marvel", <i>Wired.com News</i>, October 7, 1999, at <a href="http://www.wired.com/news/technology/story/22116.html">http://www.wired.com/news/technology/story/22116.html</a>. EPI832</p> <p><b>50.</b> Delgado, José M.R., <i>Physical Control of the Mind: Toward a Psychocivilized Society</i>, Harper &amp; Row, New York, 1969. EPI850</p> <p><b>51.</b> "DoD, Intel Agencies Look at Russian Mind Control Technology, Claims", <i>Defense Electronics</i>, July 1993. EPI538</p> <p><b>52.</b> Elliot, Dorinda and Barry, John, "A Subliminal Dr Strangelove", <i>Newsweek</i>, August 21, 1994. EPI542</p> <p><b>53.</b> Depue, Roger L. and Depue, Joanne M., "To Dream, Perchance to Kill", <i>Security</i></p>	<p><i>Management</i>, vol. 43, no. 6, July 1999. Source: NLECTC <i>Law Enforcement &amp; Technology News</i>, Summary, July 8, 1999. EPI932</p> <p><b>54.</b> Hutchison, Michael, <i>MegaBrain: New Tools and Techniques for Brain Growth and Mind Expansion</i>, 1986. EPI1235</p> <p><b>55.</b> US Patent #5,356,368, Oct. 18, 1994, "Method and Apparatus for Inducing Desired States of Consciousness", Inventor: Monroe, Robert; Assignee: Interstate Industries, Inc. EPI286</p> <p><b>56.</b> Hutchison, <i>MegaBrain</i>, op. cit., p. 114. EPI1235</p> <p><b>57.</b> US Patent #3,773,049, Nov. 20, 1973, "Apparatus for the Treatment of Neuropsychic and Somatic Diseases with Heat, Light, Sound and VHF Electromagnetic Radiation"; Inventors: Rabcichev et al. EPI257</p> <p><b>58.</b> US Patent #4,034,741, July 12, 1977, "Noise Transmitter and Generator"; Inventors: Adams et al.; Assignee: Solitron</p>	<p>Devices Inc. EPI267</p> <p><b>59.</b> US Patent #4,191,175, March 4, 1980, "Method and Apparatus for Repetitively Producing a Noise-Like Audible Signal", Inventor: Nagle, William L. EPI269</p> <p><b>60.</b> US Patent # 4,335,710, June 22, 1982, "Device for the Induction of Specific Brain Wave Patterns"; Inventor: Williamson, John D.; Assignee: Omnitronics Research Corporation. EPI292</p> <p><b>61.</b> US Patent #4,717,343, Jan. 5, 1988, "Method of Changing a Person's Behavior"; Inventor: Densky, Alan. EPI284</p> <p><b>62.</b> US Patent #4,834,701, May 30, 1989, "Apparatus for Inducing Frequency Reduction in Brainwave", Inventor: Masaki, Kazumi; Assignee: Hayashibara, Ken. EPI266</p> <p><b>63.</b> US Patent #4,889,526, Dec. 26, 1989, "Non-Invasive Method and Apparatus for Modulating Brain Signals Through an External Magnetic Or Electric Field To Reduce Pain"; Inventors: Rauscher, Elizabeth</p>
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the research of a psychology professor probing the 'X-Files' world of government surveillance and mind control. At conferences, in papers and research over two semesters, Professor Kathryn Kelley explored the claims of those who say they were surgically implanted with communications devices to read their thoughts."<sup>81</sup>

Since the release of our first book, *Angels Don't Play This HAARP: Advances in Tesla Technology*,<sup>82</sup> we have heard from hundreds of people making such claims. We cannot sort out what might be real experimentation from that which resides only in the minds of these people. We believe that the claims should be taken seriously and that people should have some place to go in order to find the truth or gain the medical treatments they otherwise deserve. The history of the United States is littered with examples of people being exploited by scientists working under the cover of darkness provided by "black budgets". Could these reports have a factual basis? We believe that some do.

Government control of the mind in order to impose its will on people is best summarised on the wall of the Franklin D. Roosevelt Memorial with an inscription that reads: "They [who] seek to establish systems of government based on the regimentation of all human beings by a handful of individual rulers...call this a new order. It is not new and it is not order."<sup>83</sup>

#### **About the Author:**

Nick Begich, MD, serves as Executive Director of The Lay Institute on Technologies, Inc., a Texas-based non-profit corporation (his research abstracts and references can be found at <http://www.layinstitute.org>). He is also the publisher and co-owner of Earthpulse Press Inc., based in Alaska.

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Dr Begich is the eldest son of the late US Congressman from Alaska, Nick Begich Sr, and political activist Pegge Begich. He is well known in Alaska for his own political activities, and was twice elected president of both the Alaska Federation of Teachers and the Anchorage Council of Education. He has been pursuing independent research in the sciences and politics for most of his adult life. Begich received his doctorate in traditional medicine from The Open International University for Complementary Medicines in November 1994. He has also worked as both a Tribal Administrator and Village Planner for the Chickaloon Village Traditional Council, a federally recognised American Indian Tribe of the Athabaskan Indian Nation based in Alaska.

With Jeane Manning he co-authored *Angels Don't Play This HAARP: Advances in Tesla Technology* (see NEXUS 3/01). With (the late) James Roderick he co-wrote *Earth Rising - The Revolution: Toward a Thousand Years of Peace* (7/03) and *Earth Rising II - The Betrayal of Science, Society and the Soul* (10/05). His new book on mind control is to be published in early 2006.

Dr Begich has published articles on science, politics, health and education and is a well-known lecturer, having presented throughout the USA and in 19 countries. He has been featured as a guest on thousands of radio broadcasts reporting on his research activities including new technologies, health and Earth science related issues.

He has also appeared on dozens of television documentaries and other programs throughout the world including BBC-TV, CBC-TV and TeleMundo.

Dr Begich has served as an expert witness and a speaker before the European Parliament, for the Global Legislators Organization for a Balanced Environment (GLOBE) and for many other groups. He has also been a speaker at NEXUS conferences in Amsterdam and Brisbane and has contributed articles to NEXUS, his first being an exposé on the HAARP facility in Alaska (vol. 2, no. 22).

Dr Begich is married to Shelah Begich-Slade and has five children. He resides just north of Anchorage in the community of Eagle River, Alaska, USA. He can be contacted via his website, <http://www.earthpulse.com>.

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